

45. (new) A recombinant vector that directs the expression of the nucleic acid molecule of claim 38.

46. (new) A recombinant vector that directs the expression of the nucleic acid molecule of claim 39.

47. (new) A recombinant vector that directs the expression of the nucleic acid molecule of claim 40.

48. (new) A host cell or its progeny transfected or transduced with the vector of claim 41.

49. (new) A host cell or its progeny transfected or transduced with the vector of claim 42.

50. (new) A host cell or its progeny transfected or transduced with the vector of claim 43.

51. (new) A host cell or its progeny transfected or transduced with the vector of claim 44.

52. (new) A host cell or its progeny transfected or transduced with the vector of claim 45.

53. (new) A host cell or its progeny transfected or transduced with the vector of claim 46.

54. (new) A host cell or its progeny transfected or transduced with the vector of claim 47.

55. (new) The host cell of claim 48, 49, 50, 51, 52, 53, or 54, wherein the host cell is a bacterial cell.

56. (new) The host cell of claim 48, 49, 50, 51, 52, 53, or 54, wherein the host cell is a yeast cell.

57. (new) The host cell of claim 48, 49, 50, 51, 52, 53, or 54, wherein the host cell is a plant cell.

58. (new) The host cell of claim 48, 49, 50, 51, 52, 53, or 54, wherein the host cell is an animal cell.

59. (new) A method for the production of TIGIRR polypeptide comprising culturing the host cell of claim 48, 49, 50, 51, 52, 53, or 54 under conditions promoting expression.

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